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INDEX TO AMERICAN BOTANICAL LITERATURE

(1909)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Anderson, M. P. The educational organization of nature-study. Jour. N. Y. Bot. Gard. **10**: 56-63. Mr 1909.

Bachman, F. M. *Discomycetes* in the vicinity of Oxford, Ohio. Proc. Ohio State Acad. Sci. **5**: 18-70. 1909. [Special paper no. 14.]

Bailey, W. W. Crocuses. Am. Bot. **15**: 3-5. [Mr] 1909.

Barber, K. G. Comparative anatomy of fruits and seeds of certain species of *Cucurbitaceae*. Bot. Gaz. **47**: 263-310. f. 1-53. 17 Ap 1909.

Bartlett, H. H. *Nolina* in the South Atlantic States. Rhodora **11**: 80-82. 13 Ap 1909.
Includes *Nolina atopocarpa* sp. nov.

Batchelder, F. W. Preliminary list of plants growing without cultivation in the vicinity of Manchester, New Hampshire. Proc. Manchester Inst. Arts & Sci. **4**: 3-59. 1909.

Beardslee, H. C. Submerged willows. Torreya **9**: 77, 78. 8 Ap 1909.

Benedict, R. C. The fern collections of the New York Botanical Garden. Jour. N. Y. Bot. Gard. **10**: 75-81. pl. 59 + f. 11, 12. Ap 1909.

Bennett, A. *Potamogeton pensylvanicus* Cham. et Schlect., introduced to England. Trans. & Proc. Bot. Soc. Edinburgh **23**: 311, 312. Ap 1909.

- Berry, E. W.** Additions to the pleistocene flora of North Carolina. *Torrey* **9**: 71-73. 8 Ap 1909.
- Bödeker, F.** *Mamillaria Ottonis* Pfeiff., und *M. Bussleri* Mundt. *Monats. Kakteenk.* **19**: 41, 42. 15 Mr 1909.
- Brewster, W.** Occurrence of the skunk cabbage in an unusual place. *Rhodora* **11**: 63, 64. 6 Ap 1909.
- Britton, N. L.** Darwin and botany. *Pop. Sci. Mo.* **74**: 355-360. [Mr] 1909.
- Broomall, C. M.** Flower pigments. *Proc. Delaware County Inst. Sci.* **4**: 81-84. 23 Mr 1909.
- Chamberlain, C. J.** Spermatogenesis in *Dioon edule*. *Bot. Gaz.* **47**: 215-236. *pl.* 15-18 + *f.* 1-3. 23 Mr 1909.
- Christ, H.** Ex herbario Hassleriano: novitates paraguarienses — I. III. *Cyatheaceae*; IV. *Polypodiaceae*; V. *Schizaeaceae*. *Repert. Nov. Spec.* **6**: 348-351. 1 Mr 1909.
Includes new species in *Cyathea*, *Dryopteris* (3), and *Asplenium*.
- Christensen, C.** *Dryopteris nova brasiliensis*. *Repert. Nov. Spec.* **6**: 380, 381. 1 Mr 1909.
D. Heineri from São Paulo.
- Clute, W. N.** The study of seeds. *Am. Bot.* **15**: 5-9. [Mr] 1909.
- Collins, F. S.** New species of *Cladophora*. *Rhodora* **11**: 17-20. *f.* 1-6. 16 Mr 1909.
C. microcladioides and *C. graminea* from the Californian coast, *C. Howei* from Bermuda, and *C. constricta* from Jamaica.
- Collins, F. S.** Notes on *Monostroma*. *Rhodora* **11**: 23-26. 16 Mr 1909.
- Collins, J. F.** Weight of ice-covered twigs. *Rhodora* **11**: 32. 16 Mr 1909.
- Collins, J. F., & Preston, H. W.** Key to New England trees, wild and commonly cultivated. 1-42. Providence, 1909.
- Cook, M. T.** Notes on the embryology of the *Caryophyllaceae*. *Ohio Nat.* **9**: 477-479. *pl.* 22. 7 Ap 1909.
- Cook, O. F.** Pure strains as artifacts of breeding. *Am. Nat.* **43**: 241, 242. Ap 1909.
- Copeland, E. B.** New genera and species of Bornean ferns. *Philippine Jour. Sci.* **3**: 343-349. *pl.* 1-8. 25 Ja 1909.
- Copeland, E. B.** New species of *Cyathea*. *Philippine Jour. Sci.* **3**: 353-357. 25 Ja 1909.
Seven new Asiatic species.

- Coulter, J. M.** Vascular anatomy and the reproductive structures. *Am. Nat.* **43**: 219-230. Ap 1909.
- Cox, C. F.** The individuality of Charles Darwin. *Pop. Sci. Mo.* **74**: 344-348. [Mr] 1909.
- Davis, J.** A colony of *Camptosorus*. *Am. Bot.* **15**: 1-3. [Mr] 1909. [Illust.]
- Deane, W.** Notes from Shelburne, New Hampshire. *Rhodora* **11**: 21, 22. 16 Mr 1909.
- Detmers, F.** The uncultivated fiber plants of Ohio. *Ohio Nat.* **9**: 480, 481. 7 Ap 1909.
- Durand, E. J.** A discussion of some of the principles governing the interpretation of pre-Persoonian names, and their bearing on the selection of a starting point for mycological nomenclature. *Science* **11**: 29: 670-676. 23 Ap 1909.
- East, E. M.** A note concerning inheritance in sweet corn. *Science* **11**: 29: 465-467. 19 Mr 1909.
- Eaton, L. O.** Additional notes on plants of Chesterville, Maine. *Rhodora* **11**: 30, 31. 16 Mr 1909.
- Eichlam, F.** Beiträge zur Kenntnis der Kakteen von Guatemala — III. *Monats. Kakteenk.* **19**: 33-35. 15 Mr 1909.
- Elmer, A. D. E.** A score of new plants. *Leaflet. Philippine Bot.* **2**: 573-594. 15 F 1909.
- Emerson, J. T.** Botanical observations in Iceland and Spitzbergen. *Torreyana* **9**: 45-54. f. 1-3. 26 Mr 1909.
- Fawcett, W., & Rendle, A. B.** Some new Jamaica orchids — II. *Jour. Bot.* **47**: 122-129. Ap 1909.
Includes new species in *Pleurothallis*, *Epidendrum* (14), *Neo-urbania*, gen. nov., *Habenaria*, *Lepanthes*, *Campylocentrum* (3), and *Liparis*.
- Fernald, M. L.** A pubescent variety of *Aster dumosus*. *Rhodora* **11**: 31. 16 Mr 1909.
- Fernald, M. L.** Note on the report of *Scirpus nanus* from Vermont. *Rhodora* **11**: 84. 13 Ap 1909.
- Fernow, B. E.** The sciences underlying forestry. *Forest Quart.* **7**: 23-33. Mr 1909.
- Forbes, S. A.** The general entomological ecology of the Indian corn plant. *Am. Nat.* **43**: 286-301. My 1909.
- Forti, A.** Studi per una monografia del genere *Pyxilla* (Diatomee) e dei generi affini. *Nuova Notar.* **20**: 19-38. pl. 1, 2. Ja 1909.
Includes 2 new fossil species in *Pseudopyxilla* from Virginia.

- Gibson, H. H.** A cruise in the great Smokies. *Hardwood Record* **27**: 21-26. 10 Ap 1909. [Illust.]
- Greene, E. L.** Linnaeus as an evolutionist. *Proc. Washington Acad. Sci.* **11**: 17-26. 31 Mr 1909.
- Gruenberg, B. C.** Some aspects of the mycorrhiza problem. *Bull. Torrey Club* **37**: 165-169. 27 Mr 1909.
- Hackel, E.** Ex herbario Hassleriano: novitates paraguarienses — I. I. *Gramineae*. *Repert. Nov. Spec.* **6**: 341-346. 1 Mr 1909.
Includes *Panicum fultum*, *Aristida leptochaeta*, *Sporobolus tenuispica*, and *Poa pilcomayensis* spp. nov.
- Hammond, H. S.** Some midwinter mosses. *Am. Bot.* **15**: 12, 13. [Mr] 1909.
- Harris, W.** The timbers of Jamaica. *West Indian Bull.* **9**: 297-328. 1909.
- Harrison, C.** The plants of our hill. *Am. Bot.* **15**: 9-12. [Mr] 1909.
- Heller, A. A.** The death camas. *Muhlenbergia* **5**: 50-52. 31 Mr 1909.
- Herriot, W.** *Epigaea repens* in Waterloo County. *Ottawa Nat.* **22**: 259. 12 Mr 1909.
- Hill, E. J.** The distribution of three naturalized crucifers. *Torreyana* **9**: 65-70. 8 Ap 1909.
- Hitchcock, A. S.** Catalogue of the grasses of Cuba. *Contr. U. S. Nat. Herb.* **12**: 183-258 + i-xi. 23 Mr 1909.
Includes new species in *Andropogon*, *Aristida* (2), *Eragrostis*, *Eriochloa*, *Ichnanthus*, *Mesosetum*, *Panicum* (2), and *Sporobolus*; also a new genus *Reimarochloa* with *Reimaria acuta* Flüge as type.
- Holmes, S. J.** The categories of variation. *Am. Nat.* **43**: 257-285. My 1909.
- Hood, G. W.** Distribution of the woody plants of Ohio. *Ohio Nat.* **9**: 469-474. 15 Mr 1909.
- Höroid, R.** Systematische Gliederung und geographische Verbreitung der amerikanischen Thibaudieen. *Bot. Jahrb.* **42**: 251-334. 2 Ap 1909.
Includes 71 new species in *Macleania* (8), *Psammisia* (13), *Semiramisia*, *Englerodoxa* gen. nov., *Thibaudia* (9), *Ceratostema* (8), *Satyria* (2), *Orthaea* (2), *Cavendishia* (22), *Themistoclesia*, *Sophoclesia* (3), and *Disterigma*.
- Huntington, A. O.** The beech tree. *Country Life in America* **16**: 57-59. My 1909. [Illust.]
- Huntington, A. O.** Early poisonous wild flowers. *House and Garden* **15**: 135, 136. Ap 1909.

- Jeffrey, E. C.** On the nature of so called algal or boghead coals. *Rhodora* **11**: 61-63. 6 Ap 1909.
- Jeffrey, E. C.** The progress of plant anatomy during the past decade. *Am. Nat.* **43**: 230-237. Ap 1909.
- Keevil, J. J.** Notes on orchids of a Brazilian island. *Orchid Rev.* **17**: 97-99. Ap 1909.
- Kennedy, P. B.** Studies in *Trifolium* — II. *Muhlenbergia* **5**: 37-46. 31 Mr 1909.
- Kindberg, N. C.** Note on North American *Bryineae*. *Rev. Bryol.* **36**: 42-44. Mr 1909.
Includes *Calligeron subsarmentosum*, *Isothecium myuroides*, and *Bryum parvulum* spp. nov. from British North America.
- Kirsch, A. M.** Teratological notes — I. An abnormal specimen of *Taraxacum*. *Midland Naturalist* **1**: 24-26. *pl.* 3. Ap 1909.
- Knowlton, C. H., & others.** Reports on the flora of the Boston district — IV. *Rhodora* **11**: 75-80. 13 Ap 1909.
- Lambert, F. D.** Two new species of *Characium*. *Rhodora* **11**: 65-74. *pl.* 79. 13 Ap 1909.
C. gracilipes and *C. cylindricum*, from Massachusetts.
- Levison, J. J.** Filling tree cavities. *Mycologia* **1**: 77-79. *pl.* 6. Ap 1909.
- Livingston, B. E.** A repeated cycle in assimilation. *Plant World* **12**: 66, 67. Mr 1909.
- Livingston, B. E.** Roles of the soil in limiting plant activities. *Plant World* **12**: 49-53. Mr 1909.
- Lloyd, F. E.** Perennial dodder: an additional note. *Plant World* **12**: 65, 66. Mr 1909.
- Maass, C. A.** *Mamillaria woburnensis* Scheer. *Monats. Kakteenk.* **19**: 35-38. 15 Mr 1909.
- MacPherson, J.** The cedar of Lebanon. *Torreyia* **9**: 77. 8 Ap 1909.
- Malme, G. O. A.** Ex herbario Hassleriano: novitates paraguarienses—I. II. *Asclepiadaceae*. *Repert. Nov. Spec.* **6**: 346-348. 1 Mr 1909.
Morrenia Hassleriana and *Oxyptalum reflexum* spp. nov.
- Mattoon, W. R.** The origin and early development of chestnut sprouts. *Forest Quart.* **7**: 34-47. Mr 1909. [Illust.]
- McCray, A. H.** Removal of the showy parts of flowers as affecting fruit and seed production. *Ohio Nat.* **9**: 466-469. 15 Mr 1909.
- Merrill, E. D.** On a collection of plants from the Batanes and Babuyan islands. *Philippine Jour. Sci.* **3**: 383-442. 25 Ja 1909.

- Merrill, E. D.** Philippine *Ericaceae*. Philippine Jour. Sci. **3**: 369–382. 25 Ja 1909.
- Merrill, E. D.** The Philippine species of *Garcinia*. Philippine Jour. Sci. **3**: 359–368. 25 Ja 1909.
- Moore, E.** The study of winter buds with reference to their growth and leaf content. Bull. Torrey Club **37**: 117–145. *pl.* 9–11 + *f.* A–K. 27 Mr 1909.
- Morrison, G. L.** Some crocuses grown in a New York room. Torreya **9**: 78. 8 Ap 1909.
- Murrill, W. A.** Collecting fungi in Jamaica. Jour. N. Y. Bot. Gard. **10**: 21–39. *pl.* 57. *f.* 1–10. F 1909.
- Murrill, W. A.** Illustrations of fungi — II. Mycologia **1**: 37–40. *pl.* 3. Ap 1909.
Illustrates *Agaricus campestris*, *Pluteus cervinus*, *Coprinus comatus*, *C. atramentarius*, *C. micaceus*, and *Collybia velutipes*.
- Nash, G. V.** The Ames collection of Cypripediums. Jour. N. Y. Bot. Gard. **10**: 63–68. Mr 1909.
- Nehrling, H.** Die *Amaryllis* oder Rittersterne (*Hippeastrum*). i–v + 1–71. *f.* 1–16. 1909.
- Nieuwland, J. A.** Notes on the priority of certain plant names. Midland Naturalist **1**: 16–21. Ap 1909.
- Nieuwland, J. A.** Resting spores of *Cosmarium bioculatum* Breb. Midland Naturalist **1**: 4–8. *pl.* 1. Ap 1909.
- Nieuwland, J. A.** The mounting of algae. Bot. Gaz. **47**: 237, 238. 23 Mr 1909.
- Olsson-Seffer, P.** Hydrodynamic factors influencing plant-life on sandy sea-shores. New Phytol. **8**: 37–51. F 1909.
- Osborn, H. F.** Life and works of Darwin. Pop. Sci. Mo. **74**: 315–343. Mr 1909. [Illust.]
- Pearl, R.** A note on the degree of accuracy of biometric constants. Am. Nat. **43**: 238–240. Ap 1909.
- Pease, A. S.** A *Juncus* new to New England. Rhodora **11**: 31. 16 Mr 1909.
- Pease, A. S.** Certain railroad weeds of northern New Hampshire. Rhodora **11**: 30. 16 Mr 1909.
- Pease, A. S.** *Cryptogramma Stelleri* in New Hampshire. Rhodora **11**: 64. 6 Ap 1909.
- Peck, C. H.** New species of fungi. Bull. Torrey Club **37**: 153–157. 27 Mr 1909.
Includes 10 new species in *Eccilia*, *Clitopilus*, *Boletus*, *Herpotrichia*, *Botrytis*, *Gyroceras*, *Cercospora* (2), and *Fusarium* (2).

- Pennell, F. W.** Some additions to Dr. Fussell's list of Delaware County plants. *Proc. Delaware County Inst. Sci.* **4**: 68-74. 23 Mr 1909.
- Purpus, J. A.** *Cereus Schenckii* Purp. n. sp. *Monats. Kakteenk.* **19**: 38-41. 15 Mr 1909.
Native in Mexico.
- Ramaley, F., & Robbins, W. W.** Studies in lake and streamside vegetation. *Univ. Colorado Studies* **6**: 133-168 + i-iv. F 1909.
[Illusr.]
- Robinson, B. L., & Fernald, M. L.** Emendations of the seventh edition of Gray's manual — I. *Rhodora* **11**: 33-61. 6 Ap 1909.
- Robinson, W. J.** Experiments on the effect of the soil of the Hemlock Grove of the New York Botanical Garden upon seedlings. *Jour. N. Y. Bot. Gard.* **10**: 81-87. f. 13. Ap 1909.
- Roland-Gosselin, R.** *Cactaceae* novae. *Bull. Soc. Bot. France* **55**: 694-696. 6 F 1909.
Rhipsalis himantoclada, native in Costa Rica, and *Cereus Dybowskii*, native in Brazil.
- Rolfe, R. A.** New orchids: decade 33. *Kew Bull. Misc. Inf.* **1909**: 61-66. Mr 1909.
Includes 4 new American species in *Octomeria*, *Cynoches*, *Ornithidium*, and *Sobralia*.
- Rose, J. N.** Studies of Mexican and Central American plants — no. 6. *Contr. U. S. Nat. Herb.* **12**: i-ix + 259-302. pl. 20-27 + f. 20-48. 12 Ap 1909.
Includes the new genera *Pelozia*, *Pseudolopezia*, and *Jehlia*, of the *Lopezieae*, and 74 new species in *Cycadales*, *Gnetales*, *Liliaceae* (2), and numerous families of dicotyledons (70).
- Schaffner, J. H.** The classification of plants — V. *Ohio Nat.* **9**: 489-494. 7 Ap 1909.
- Schaffner, J. H.** The reduction division in the microsporocytes of *Agave virginica*. *Bot. Gaz.* **47**: 198-214. pl. 12-14. 23 Mr 1909.
- Schulz, O. E.** Ex herbario Hassleriano: novitates paraguarienses — I. VI. *Erythroxylaceae*. *Repert. Nov. Spec.* **6**: 352. 1 Mr 1909.
Erythroxylum pachyneurum sp. nov.
- Seaver, F. J.** The *Hypocreales* of North America — I. *Mycologia* **1**: 41-76. pl. 4, 5. Ap 1909.
Includes *Nectria Papilionacearum* and *Ophionectria cylindrothecia* spp. nov.
- Shaw, C. H.** Vegetation and altitude. *Plant World* **12**: 63-65. Mr 1909.
- Shear, C. L.** The present treatment of monotypic genera of fungi. *Bull. Torrey Club* **37**: 147-151. 27 Mr 1909.

- Sheldon, J. L.** Notes on *Uromyces*. *Torrey* 9: 54-56. 26 Mr 1909.
- Skan, S. A.** *Arbutus Menziesii* Curt. *Bot. Mag.* 5: *pl.* 8249. Ap 1909.
- Small, J. K.** Additions to the flora of peninsular Florida. *Bull. Torrey Club* 37: 159-164. 27 Mr 1909.
Includes 5 new species in *Thysanella*, *Warea*, *Cracca*, *Goniostachyum*, and *Melanthera*.
- Small, J. K.** Exploration in the Everglades. *Jour. N. Y. Bot. Gard.* 10: 48-55. Mr 1909.
- Smith, H. H.** New stations for European plant immigrants. *Torrey* 9: 79. 8 Ap 1909.
- Smith, J. D.** Undescribed plants from Guatemala and other Central American republics — XXXI. *Bot. Gaz.* 47: 253-262. *f.* 1. 17 Ap 1909.
Includes 17 new species in *Magnolia*, *Marila*, *Leandra*, *Hoffmannia*, *Guettarda*, *Chomelia*, *Satyria*, *Gonolobus* (2), *Merinthopodium*, *Neotuerckheimia*, gen. nov. (2), *Justicia*, *Ruprechtia* (2), *Daphnopsis*, and *Euphorbia*.
- Somes, S. P.** A freak dandelion. *Am. Bot.* 15: 27. [Mr] 1909.
- Standley, P. C.** A witch's broom of the desert. *Plant World* 12: 61-63. Mr 1909.
- Standley, P. C.** Herbarium notes. *Torrey* 9: 74-77. 8 Ap 1909.
- Standley, P. C.** New or noteworthy plants from Arizona. *Muhlenbergia* 5: 46-49. 31 Mr 1909.
Includes *Castilleja Blumeri* sp. nov. from Arizona.
- Stapf, O.** The herbarium Savatier. *Kew Bull. Misc. Inf.* 1909: 148-150. Ap 1909.
- Stevens, F. L., & Hall, J. G.** Eine neue Feigen-Anthraknose (Colletotrichose). *Zeitschr. Pflanzenkrankh.* 19: 65-68. 1 Ap 1909.
- Stevens, F. L., & Hall, J. G.** Hypochnose of pomaceous fruits. *Ann. Myc.* 7: 49-59. *f.* 1-6. F 1909.
- Stockdale, F. A.** Fungus diseases of cocoanuts in the West Indies. *West Indian Bull.* 9: 361-381. 1909.
- Stokey, A. G.** The anatomy of *Isoetes*. *Bot. Gaz.* 47: 311-335. *pl.* 19-21. 17 Ap 1909.
- Sumstine, D. R.** Notes on mushroom spores. *Science II.* 29: 621. 16 Ap 1909.
- Theissen, F.** *Xylariaceae* austro-brasiliensis. *Ann. Myc.* 7: 1-18. F 1909.